

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	Application Number	10/566,954
	Filing Date	January 31, 2006
	First Named Inventor	Claes Gustafsson
	Art Unit	1631
	Examiner Name	Borin, Michael L
	Attorney Docket No.	11548-003-999

U.S. PATENT DOCUMENTS					
*Examiner Initials	Cite No.	Document Number – Kind Code	Publication Date mm/dd/yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A01	US 2002/0048772 A1	04/25/2002	Dahiyat et al.	
	A02	US 2004/0072245 A1	04/15/04	Gustafsson <i>et al.</i>	
	A03	US 2004/0161796 A1	08/19/04	Gustafsson <i>et al.</i>	
	A04	US 2006/0205003 A1	09/14/06	Gustafsson <i>et al.</i>	
	A05	7,117,096	10/03/2006	Luo <i>et al.</i>	
	A06	US 2007/0239364 A1	10/11/07	Richard John Fox	
	A07	US 2008/0050357	02/28/08	Gustafsson <i>et al.</i>	
	A08	U.S. Application No. 12/238,216	09/25/08	Gustafsson <i>et al.</i>	
	A09				
	A10				
	A11				

FOREIGN PATENT DOCUMENTS						
*Examiner Initials	Cite No.	Foreign Patent Document Country Code, Number, Kind Code (if known)	Publication Date mm/dd/yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
	B01	WO 2005/012877 A2	02-10-2005	DNA Twopointo Inc.		
	B02					

NON PATENT LITERATURE DOCUMENTS			
*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	C01	Adenot et al., 1999, “Peptides quantitative structure-function relationships: An automated mutation strategy to design peptides and pseudopeptides from substitution matrices,” Journal of Molecular Graphics and Modeling 17, 292-309.	
	C02	Agrafiotis et al., 2002, “On the use of neural network ensembles in QSAR and QSPR,” J Chem Inf Comput Sci, vol. 42, pages 903-911.	
	C03	Damborský, Jiří, 1998, “Quantitative structure-function and structure-stability relationships of purposely modified proteins,” Protein Engineering 11, 21-30.	
	C04	Del Sol Mesa et al., 2003, “Automatic Methods for Predicting Functionally Important Residues,” J. Mol. Biol. 326, 1289-1302.	
	C05	Fariselli et al., 2002, “Prediction of protein-protein interaction sites in heterocomplexes with neural networks,” Eur. J. Biochem 269, 1356-1361.	
	C06	Fox et al., 2003, “Optimizing the search algorithm for protein engineering by directed evolution,” Protein Engineering Vol. 16: 589-597	

LAI-3053443v1

EXAMINER SIGNATURE	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	Application Number	10/566,954
	Filing Date	January 31, 2006
	First Named Inventor	Claes Gustafsson
	Art Unit	1631
	Examiner Name	Borin, Michael L
	Attorney Docket No.	11548-003-999

NON PATENT LITERATURE DOCUMENTS			
*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	C07	Free et al., 1964, "A mathematical contribution to structure-activity studies," Journal of Medicinal Chemistry, American Chemical Society, vol. 7, no. 4, pages 395-399.	
	C08	Govindarajan et al., 2003, "Systematic Variation of Amino Acid Substitutions for Stringent Assessment of Pairwise Covariation," J. Mol. Biol. 328, 1061-1069.	
	C09	Hellberg et al., 1986, "Peptide Quantitative Structure-Activity Relationships, a Multivariate Approach," J. Med. Chem 30, 1126-1135.	
	C10	Irini et al., 2002, "Additive method for the Prediction of Protein-Peptide Binding Affinity. Application to the MHC Class I Molecule HLA-A*0201," Journal of Proteome Research, vol. 1, no. 3, pages 263-272.	
	C11	Jonsson et. al., 1993, "Quantitative sequence-activity models (QSAM)-tools for sequence design," Nucleic Acids Research 21, 733-739.	
	C12	Lu et al., 2001, "Predicting the reactivity of proteins from their sequence alone. Kazal family of protein inhibitors of serine proteinases," PNAS 98, 1410-1415.	
	C13	Ness et al., 2001, "Molecular Breeding: The Natural Approach to Protein Design," Advances in Protein Chemistry 55, 261-292.	
	C14	Norinder et al., 1997, "A Quantitative Structure-Activity Relationship Study of Some Substance P-related Peptides. A Multivariate Approach using PLS and Variable Selection," Journal of Peptide Research vol. 49, no. 2, pages 155-162.	
	C15	Pierce et al., 2002, "Protein Design is NP-hard," Protein Engineering 15, 779-782.	
	C16	Sandberg et al., 1993, "Engineering multiple properties of a protein by combinatorial mutagenesis," Proc. Natl. Acad. Sci. 90, 8367-8371.	
	C17	Shaw et al., 2002, "Predicting Amino Acid Residues Responsible for Enzyme Specificity Solely from Protein Sequences," Biotechnology and Bioengineering 79, 295-300.	
	C18	Svetnik et al., 2003, "Random Forest: A Classification and Regression Tool for Compound Classification and QSAR Modeling," J Chem Inf Comput Sci, vol. 43, no. 6, pages 1947-1958.	
	C19	Wrede et al. 1998, "Peptide Design Aided by Neural Networks; Biological Activity of Artificial Signal Peptidase I Cleavage Sites," Biochemistry 37, 3588-3593.	
	C20	Partial European Search Report dated October 13, 2008 for EP 08003668.4 (Atty. docket no. 11548-012-227).	
	C21	Communication relating to Partial European Search Report dated March 4, 2009 for EP 08003668.4 (Atty. docket no. 11548-012-227).	
	C22	Communication pursuant to Article 94(3) EPC dated August 18, 2009 for EP 08003668.4 (Atty. docket no. 11548-012-227).	
	C23	International Search Report and Written Opinion dated February 21, 2006 for International Application No. PCT/US04/024751 (Atty. docket no. 11548-003-228).	
	C24	Preliminary Amendment Under 37 C.F.R. § 1.115 dated September 24, 2008 for U.S. Application No. 12/238,216 (Atty. docket no. 11548-013-999).	
	C25		
	C26		

LAI-3053443v1

EXAMINER SIGNATURE	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	